2nd And Part Bill

JOB Code - 006-18-000097.28872

M. A. R. 57 (Rule 116)

Measurement Book

No. B

425331

al No. Package No.. 01 (Package consists of 18 works)

ne of Work ..... From..... To.....

me of Contractor of nature of Agency ....Benaka Developers And Project Pvt Ltd

e of commencement of work .....

te	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Work orders No.	BBMP/EE/BTP/WO/135/2017-18. Date - 27-03-2018					
	(1) Dismantling of existing structures like culverts Bridges retaining walls and other structure comprising of masonry cement concrete wood work steel work including T and P and scaffolding wherever necessary sorting the dismantled material.						
	Rate - 542:70	Previous		Quantity -		Nil	
		Present		Quantity -		Nil	—

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MEASUREMENT BOOK

Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7	Reference to last Measurement 8
(2)	Clearing and grubbing road land including uprooting rank vegetation grass brush shrubs scrub and trees and girth upto 300mm by manual means in area of shallow jungle remove remove & shrubs disposal & unserviceable material stacking &c.						
		Previous qty -				Nil	
		Present qty -				Nil	
	Rate - 7:20						—
(3)	Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2mtr and an average lift upto 0.50 Mtr excavated surface levelled and sides neatly dressed complete as per specification						

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

425332

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Previous Quantity					3088.96 m^3	
	Present Quantity					957.12 m^3	
				Total Qty		4046.08 m^3	
				IPQ.		3088.96 m^3	
				Balance Qty		957.12 m^3	
	Rate. 228:60						218797:63

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(W)	Earthwork excavation for foundation & building water supply sanitary lines and electrical conduits either in pits or in trenches 1.50 MM and above in width in ordinary soil not exceeding 1.50 MM in depth including dressing etc. - complete.						
	Previous Day					$103.55 M^3$	
(5)	Rate. 225.20 Providing and fixing to wall ceiling and floor unplasticized pvc pipes 10.00 mm internal diameter plastic/metal or equivalent including fixing with pipe fittings wall clamps making good the wall	Present Day.				Nil	-

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

425333

rial No. .....

me of Work ..... From..... To.....

me of Contractor of nature of Agency .....

te of commencement of work .....

ate	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
	Ceiling and Floor including cost of all materials.						
			Previous Qty			493.10 m	
	Page. 1646 : 10		Present Qty			Nil	
(2)	Providing and filling sand in foundation upto plinth for required depth for sub soil treatment including watering ramming WPM all lead and lift etc. complete.						
			Previous Qty.			49.31 M^3	
			Present Qty.			Nil	
	Page. 2423 : 70						

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Date 1	Full description, etc, of work 2	Dimensions: Number 3	Length 4	Breadth 5	Depth 6	Contents 7
(7)	Refilling available earth around pipeline laying not exceeding 20cms in depth compacted each deposited layer by ramming after watering with lead up to 50 mtr and lift upto 1.50 mtr including cost & all labour compress as per specification.					
			Previous Qty		44.38 m^3	
			Present Qty		Nil	
	Page. 86:40					
(8)	Providing and fixing in trenches galvanised (mild steel) (medium grade) 50 mm dia nominal bore with all fittings complete in trenches to be measured and paid for separately) including cost & all necessary					

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M. A. R. 57 (Rule 116)
Measurement Book

No. B

425334

erial No. .....

ame of Work ..... From..... To.....

ame of Contractor of nature of Agency .....

ate of commencement of work .....

Date	Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
		Number 3	Length 4	Breadth 5	Depth 6		
			Previous Qty.			73.60	MSV
			Present Qty			NIL	
	Rate · 490 : 00						–
(9)	Removing and resetting of footpath slab.						
			Previous Qty.			634.20	m^2
			Present Qty			NIL	
	Rate · 142 : 20						–

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(10)	Removing and refixing stone slabs & Draing and pointing in CM 1:3.						
		Previous asy				4900.02 m^2	
		Present asy				3070.26 m^2	
						7970.28 m^2	
				D.P.Q		4900.02 m^2	
						3070.26 m^2	
	Rate. 86:40						265270:4

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Measurement Book

No. B

425335

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(11)	Providing granite slabs of selected quality roughly dressed and fixed in cement mortar (1:6) including fixing curing etc.- complete 7.5 cms thick.						
			Previous Bill			2581.68 m²	
			Present Bill			940.32 m²	
						3522.00 m²	
					D.P. On	2581.68 m²	
	Rate: 712:80					940.32 m²	670260:10

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(12)	Providing Granite slabs of selected quality roughly dressed and fixed in cement mortar 1:6 including fixing curing etc. complete being surface.						
		Previous qty				91.20 m²	
		Present qty				nil	
	Rate - 884:70						
(13)	Providing and constructing granite gige stone masonry in foundation cement mortar 1:6 stone hammered dressed in courses not less than 20cm with bond stones at 2.0 m apart in each course						

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425336

l No. .....

e of Work ..... From..... To.....

e of Contractor of nature of Agency .....

of commencement of work .....

Full description, etc, of work 2	Dimensions				Contents 7	Reference to last Measurement 8
	Number 3	Length 4	Breadth 5	Depth 6		
including cost of Materials casting curing compressed as per specification.						
			Previous qty.		129.65 m^3	
			Present qty.		56.68 m^3	
					186.33 m^3	
			Q.P.Q.		129.65 m^3	
Rate. 4752:90			Balance qty		56.68 m^3	269381:0

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to the Measurement Book
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(14)	Providing Flush pointing to square rubble course or uncoursed stone masonry work CM 123 20 mm deep after raking joints to depth of 20 mm neatly leaving including cost & removing carbon crust complete as per specification.						
		Previous Day				288.12 m^2	
		Present Day				95.54 m^2	
						383.66 m^2	
		D.P.Q.				288.12 m^2	
	Page 109-80					95.54 m^2	1049

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Measurement Book

No. B

425337

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(15)	Providing and laying in position plain cement concrete of Mix 1:2:4 with cement as ahove with 20mm and down size grade granite metal coarse aggregates as 0.878 cum and fine aggregate 0.459 cum measure mixed concrete and in layers etc.-concrete.						
			Previous qty			19.79 m^3	
			Present qty.			8.04 m^3	
						27.83 m^3	
	Rate. 5709:60				D.P.Q	19.79 m^3	45905:48
					Balance Qty	8.04 m^3	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(16)	Providing and laying in position Plain cement concrete of mix 1:3:6 with OPC cement of 220 grade with hand and down size graded granite metal coarse aggregate of 0.892 cum and fine aggregate of 0.465 cum mechanically mixed concrete laid at location complete						
			Previous Qty.			365.44 m^3	
			Present Qty.			20.24 m^3	
			Total.			385.68 m^3	
			DP Qty			365.44 m^3	
	Page. 5295:60		Balance Qty.			20.24 m^3	

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No. B

425338

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(17)	Providing laying plain / reinforced concrete M20 grade for box drain walls & footings 10 cm to 20 cm including curing shuttering for walls etc. complete as per approved drawing and design.						
			Previous qty			35.65 m^3	
			Present qty			Nil	
	Rate - 11418.30						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(18)	Providing and removing centering shuttering shuttering propping etc. and removal of form work for foundation footings bases & columns for main column including cut & all necessary etc. complete						
			Previous qty.			28.36 m^3	
			Present qty.			nil	
	Page 261 : 90						
(19)	Providing and removing centering shuttering shuttering propping etc. and removal of form work for vertical surfaces such as walls as any shape including attached pilasters including cut & remove						

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Measurement Book

No. B

425339

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Previous Qty - 226.84 m^3				
	Rate · 333 : 00		Present Qty - Nil				
20	Providing and laying cement concrete using 20mm and down size granite coarse aggregate and fine aggregate ready mixed concrete RMC for reinforced cast in situ concrete as per specification.						
			Previous Qty · 30.60 M^3				
	Rate · 6450 : 30		Present Qty · Nil				

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(21)	Providing TMT steel reinforcement for RCC work including straightening cutting bending hooking placing in position tapping and or welding wherever required etc.-complete as per specification						
		Previous Qty.				3.39 MT	
		Present Qty.				Nil	
	Rate. Rs 80,000.00						
(22)	Providing and giving RCC precast cover slab 100 mm thick for drains in cement concrete M20 using graded granite jelly 20 mm and down size with steel reinforcement including form work etc. complete						

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425340

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Previously dry. 171.59 m²			
				Presently dry Nil			–
	Page - 1861:20						
22	Providing and fixing RCC Precast cover slab of 250mm thick for drain in cement concrete M20 using graded granite jelly 20mm and down size etc. including compute as per specification.						
				Previously dry. 121.28 m²			
				Present dry 119.88 m²			

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Total Qty		241.16 m^2	
			D.P.			121.28 m^2	
	Rate - 5347:00			Balance Qty		119.88 m^2	
							641058:3
24	Cement Concrete Pavement Construction & rein. reinforcement Plain cement Concrete pavement sensitiveness as per Detn. over a prepared sub base with cement of any other type as per clause 25mm and downsize gradel 8mm						
			Previous Qty.			406.14 m^3	
	Rate. 6156:10		Present Qty.			Nil	

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No. B

425341

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
25	Vaccum de-watering with vaccum pump and suction mat and compaction with stein roaller clussed with roaling disc including cost of generator Hom & machinery etc-complete cost and wt complete as per specification.						
						Previous Qty - 4061.42 m²	
	Rate - 102:60					Present Qty - Nil	–
26	Excavation for road work in soil with hydraulic excavator of 0.90 cum buckets capacity including cutting and loading in dipper trimming bottom and side slopes etc-complete						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Previous Qty.			3651.72 m^3	
			Present Qty.			2099.74 m^3	
				Total Qty.		5751.46 m^3	
				D.P.Q		3651.72 m^3	
	Rate. 185:40		Balance Qty.			2099.74 m^3	
							389292
(27)	Construction & Embankment with material Granted Murrum Construction & Embankment with approved material Granted Murrum with all lifts and leads etc.. complete as per specification.						

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Measurement Book

No. B 425342

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Previous Qty.			1082.05 m^3	
			Present Qty.			NIL	
	Rate 360:00						
(28)	Providing carrying spreading and compacting graded stone aggregate to wet mix macadam specification including premixing the material with water as one in mechanical mix plant etc. complete as per specification						
			Previous Qty.			4070.63 m^3	
			Present Qty.			2099.74 m^3	

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
				Total Qty.		6170.37 m^3	
				D.P.Q. -		4070.63 m^3	
	Rate 1750=00			Balance Qty.		2099.74 m^3	
							3675599
29	Providing and applying Primer Coat with SS grade emulsion on prepared ~~to WBM macadam~~ surface of granular base given as WBM comm including clearing of 0.60 lts/sqmtr using mechanical means complete as per specification and direction of the Engineer in charge of the work.						

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Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
			Previous Qty			14760.35 m^2	
			Present Qty			12067.28 m^2	
			Total Qty.			26827.63 m^2	
			D.P.Q.			14760.35 m^2	
			Balance Qty.			12067.28 m^2	358398:16
	Page. 29:70						
30	Cleaning the existing black topped surface with brooms soft brushes and finally dressing with old gunny bags and or						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	Compressed air to receive & remove fresh mortar including cost & all necessitates etc. as per specification					Compressed air	
		Previous Qty.				12605.71 m^2	
		Present Qty.				10608.92 m^2	
						23214.63 m^2	
				D.P.Q.		12605.71 m^2	
			Balance Qty.			10608.92 m^2	
	Rate 3:60						38192:10

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Measurement Book

No. B 425344

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	(31) Providing and applying tack coat using 80/100 grade bitumen (VG 10) on prepared black topped surface at 2.5 kg per 10 sq mtr heating bitumen in boiler fitted with spray jet (excluding cleaning surface) including cost of all materials.						
			Previous Qty.			27657.06 m^2	
			Present Qty.			22676.20 m^2	
						50333.26 m^2	
				I.P.A.		27657.06 m^2	
	Page. 13:00			Balance Qty		22676.20 m^2	306128.63

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(32)	Providing and laying bituminous carpet 30 mm compacted thickness without 30 Bitumen grade using No. 60 HMP using crushed aggregates & grading II using premixed with bituminous binder as 5.4% & mix and lifter transporting to hot mix.						
				Previous Qty.		1106.28 m^3	
				Present Qty.		907.05 m^3	
						2013.33 m^3	
				D.P. Qty.		1106.28 m^3	
	Rate. 9023.40			Balance Qty.		907.05 m^3	8184655

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Measurement Book

No. B 425345

Serial No. .....

Name of Work ..... From..... To.....

Name of Contractor of nature of Agency .....

Date of commencement of work .....

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
(33)	Providing and laying of hot applied thermoplastic compound 2.5 mm thick including neglected fusing glass beads @ 200 gms per sqm area including 2.5 mm is exclusive value of surface applied glass beads as per IRC.35 me finished value base etc.. complete.						
			Present qty.			1546.00 m^2	898844:40
	Rate. 581:40						
34	Physical investigation of site for drilling borewell for supplying drinking water to the habitation etc. single						

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MEASUREMENT BOOK

Date	Full description, etc, of work	Dimensions				Contents	Reference to last Measurement
		Number	Length	Breadth	Depth		
1	2	3	4	5	6	7	8
	The Hand pump Nos & Press by vertical electric sinking by adopting rotary or percussion method including reconnaissance survey & geological formation hydrophysical investigations & crushing hard rock in the vicinity of bores 1.0 mtr in compound & formation for proper sealing & casing pipe depth & drilling reamined to cover bore deeper & aquifer prom to be tapped etc. - complete as per specification.						
		Previous Qty.				17.00 nos	
		Present Qty.				Nil	
	Page. 2016-20						

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